

04-10-06

JAN 28/11

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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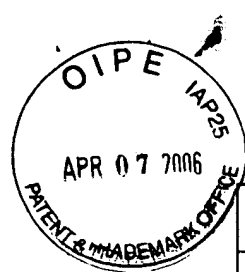
TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/520,385-Conf. #2540
	Filing Date	January 3, 2005
	First Named Inventor	Takashi Ishii
	Art Unit	2811
	Examiner Name	C. A. Matthews
Total Number of Pages in This Submission	Attorney Docket Number	20239/0202029-USO

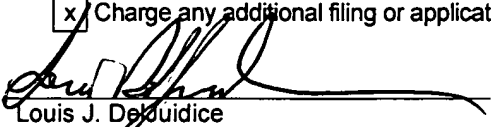
ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Amendment in Response to Non-Final Office Action PTO/SB/08 (IDS) Return Receipt Postcard Check No. <u>11660</u> in the amount of \$180.00
<div>Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	DARBY & DARBY P.C.		
Signature			
Printed name	Louis J. DelJudice		
Date	April 7, 2006	Reg. No.	47,522



AMENDMENT TRANSMITTAL LETTER				Docket No. 20239/0202029-US0	
Application No. 10/520,385-Conf. #2540		Filing Date January 3, 2005		Examiner C. A. Matthews	
				Art Unit 2811	
Applicant(s): Takashi Ishii et al.					
Invention: SUBMOUNT AND SEMICONDUCTOR DEVICE					
TO THE COMMISSIONER FOR PATENTS					
Transmitted herewith is an amendment in the above-identified application. The fee has been calculated and is transmitted as shown below.					
CLAIMS AS AMENDED					
	Claims Remaining After Amendment	Highest Number Previously Paid	Number Extra Claims Present	Rate	
Total Claims	13	- 20 =	0	0x	
Independent Claims	2	- 3 =	0	0x	
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					
Other fee (please specify): INFORMATION DISCLOSURE STATEMENT					
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT:					180.00
<input checked="" type="checkbox"/> Large Entity <input type="checkbox"/> Small Entity					
<input type="checkbox"/> No additional fee is required for this amendment.					
<input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of \$ _____. A duplicate copy of this sheet is enclosed.					
<input type="checkbox"/> A check in the amount of \$ _____ to cover the filing fee is enclosed.					
<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.					
<input checked="" type="checkbox"/> The Director is hereby authorized to charge and credit Deposit Account No. <u>04-0100</u> as described below. A duplicate copy of this sheet is enclosed.					
<input checked="" type="checkbox"/> Credit any overpayment.					
<input checked="" type="checkbox"/> Charge any additional filing or application processing fees required under 37 CFR 1.16 and 1.17.					
 Louis J. DeJuidice Attorney/Agent Reg. No.: 47,522				Dated: <u>April 7, 2006</u>	
DARBY & DARBY P.C. P.O. Box 5257 New York, New York 10150-5257 (212) 527-7791					



Docket No.: 20239/0202029-USO
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Takashi Ishii et al.

Application No.: 10/520,385

Confirmation No.: 2540

Filed: January 3, 2005

Art Unit: 2811

For: SUBMOUNT AND SEMICONDUCTOR
DEVICE

Examiner: C. A. Matthews

INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed more than three months after the U.S. filing date, OR more than three months after the date of entry of the national stage of a PCT application, AND after the mailing date of the first Office Action on the merits, whichever occurs first, but before the mailing date of a Final Office Action or Notice of Allowance (37 CFR 1.97(c)).

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information

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04/11/2006 CCHRU1 00000043 10520385 180.00 DP
01 FC:1806

Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

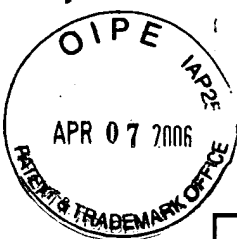
Our check in the amount of \$180.00 covering the fee set forth in 37 CFR 1.17(p) is enclosed. The Commissioner is authorized to charge any deficiency of up to \$300.00 or credit any excess in this fee to Deposit Account No. 04-0100.

Dated: April 7, 2006

Respectfully submitted,

By 
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PTO/SB/08a/b (07-05)

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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete if Known		
			Application Number	10/520,385-Conf. #2540	
			Filing Date	January 3, 2005	
			First Named Inventor	Takashi Ishii	
			Art Unit	2811	
			Examiner Name	C. A. Matthews	
Sheet	1	of	1	Attorney Docket Number	20239/0202029-US0

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶

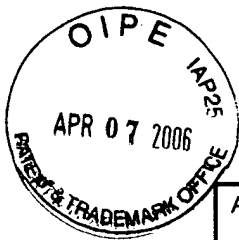
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AA	X-RAY REFLECTIVITY TECHNIQUE (GIXR), TORAY RESEARCH CENTER "THE TRC NEWS", No. 59 (Apr. 1997) pg. 11-16.	
	BB	ENGLISH TRANSLATION OF X-RAY REFLECTIVITY TECHNIQUE (GIXR), TORAY RESEARCH CENTER "THE TRC NEWS", No. 59 (Apr. 1997) pg. 11-16.	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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Application No. (if known): 10/520,385

Attorney Docket No.: 20239/0202029-USO

Certificate of Express Mailing Under 37 CFR 1.10

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Amendment (11 pages);
Amendment Transmittal (1 page);
Att A: Replacement drawing (1 sheet); Att. B: U.S. Patent No. 4,237,085
(4 pgs.); Att. C: U.S. Pub No. US 2004/0238795 A1 (6 pgs.);
Att. D: U.S. Pub No. 2004/0201137 A1 (10 pgs.);
Att. E: Volume and Density Definitions (22 pgs.)
PTO SB/08 (1 page)
Information Disclosure Statement (2 pages)
Transmittal (PTO SB-21) (1 page)
2 References (AA 6 pages; BB 6 pages)
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